

Engine trouble for Space Shuttle

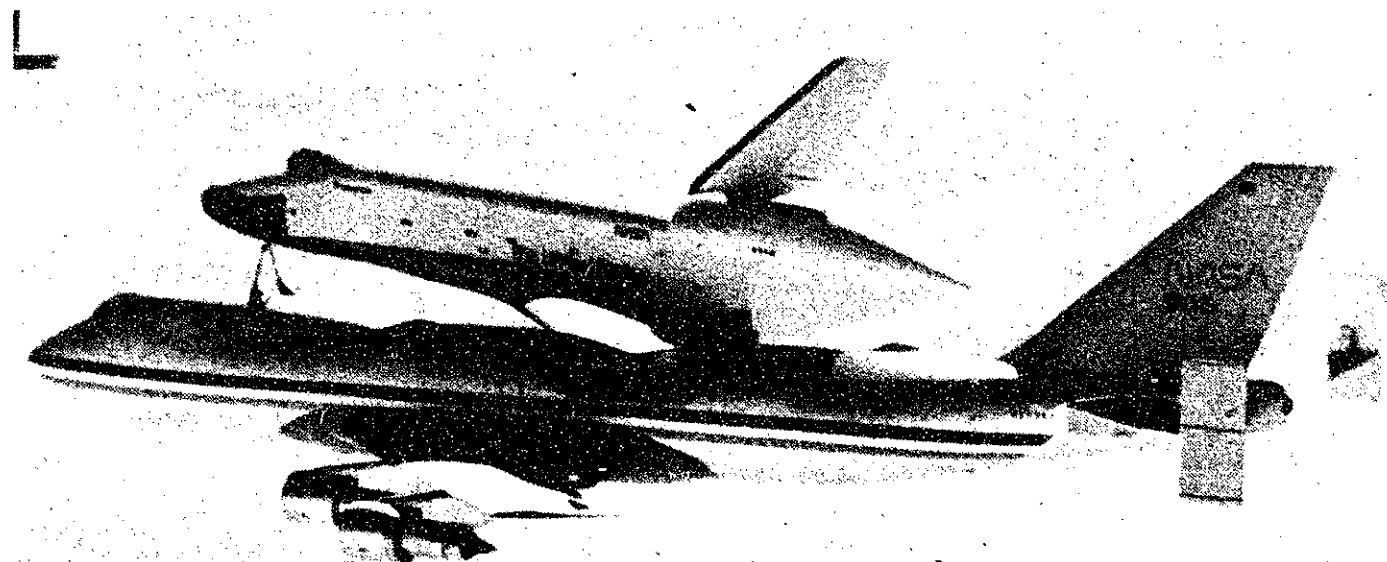
By Hans von Spakovsky

The launch date of NASA's Space Shuttle may be postponed until January 1980, at the least. The date is currently the first week in November 1979. This information came from a reliable source associated with the shuttle program who requested anonymity. The source reported that the date has already been unofficially delayed.

Although there have been reported problems with the shuttle main engines, NASA news releases and recent reports have been very optimistic, and have seemed to downplay the significance of these problems. With a manned launch less

than a year away, the program is behind schedule, according to the source, and is not in the state of readiness that the Saturn program was at this same time (all major tests having been completed). To date, there has not been a single completed test of the three main shuttle engines. Each full test has been shut down prematurely due to some malfunction or another. With a goal of 520 seconds of burn, the longest test so far has run for a duration of only 100 seconds.

Some of the problems with the engines, manufactured by Rockwell Corp., have been with cracked or broken blades in the high-pressure fuel turbo-pump-turbines and fires in the oxidizer



The Space Shuttle Enterprise rides piggyback on a modified 747. Photo courtesy of NASA.

turbo-pumps. All the other problems and failures have been of an unpredictable nature, said

the source, making it very difficult to anticipate and correct.

Concerns about these problems have led NASA to appoint a special shuttle task team, reported the source, to look at the entire program and make absolutely certain that there is no possibility of anything going wrong in the future, besides trying to solve present difficulties. The eighty members have been handpicked for the job. The source is one of

these members.

Almost all of this, however, is denied by official NASA sources. Ellery May, deputy director of the main shuttle office at the George C. Marshall Space Flight Center, Huntsville, Alabama, said that the November launch date still stood, that there was no "special" task team, and he regarded the problems encountered so far as minimal. He affirmed that the engines would be certified by the

(Please turn to page 8)

King using drinking bill



Students demonstrate at the Boston Common against raising the drinking age. (Photo by Kevin Osborn.)

By Claudia Perry

The Massachusetts House approved a bill on Tuesday that will increase the drinking age immediately to nineteen with a gradual increase to age twenty-one over the next two years. The bill that the House passed is substantially different from Governor Edward King's original proposal. In many eyes, the passage of this bill by the House shows that although King is powerful, he can't always get exactly what he wants from the legislature.

However, King possibly did get what he wanted. On the same day that the House was voting on the drinking age, King released some of his new budget proposals to the public.

King says that municipal budgets should be tightened. Local officials say this would mean a cut in services. Even King concedes that layoffs might result from his proposals.

These are not the words of Ed

King the candidate. King wrote in answer to a union local's questions about his campaign tax proposals that "... these (tax cut) proposals will not result in reduction of services or employees (with the exception of attrition...)" King as governor doesn't seem to remember this statement. And he seems to hope that no one else does.

King has attempted to revitalize his image as a "can-do" executive with the passage of the drinking bill. The measure diverts attention from his questionable tax and budget proposals. By taking a popular stand on an issue that most people had definite opinions on, King was able to manipulate the media by playing into their hands.

King or someone close to him realized that complicated issues are usually ignored by the media. Given the choice between the intricacies of the tax proposals and the clear positions on the drinking age controversy, the media took

the easy way out. They focused on the less difficult story.

It is hard to determine how much momentum King will gain from the drinking bill passage. With the many changes in the drinking age bills that have been in the public eye, people are confused as to what has actually happened. But it is safe to assume that King will gain few new enemies. He is certain to garner support.

One place King is finding friends is the state legislature. After Monday's passage of the immediate increase to nineteen with no incremental raise King's efforts were swift. By the next day he had a majority to pass the amended measure.

With King's moves on the drinking bill, Massachusetts could well be seeing the return of old-fashioned politics. Although lobbying is a time-honored political practice, King's performance on the drinking bill is a diversionary tactic. By going for the easy win, King hopes that no one will notice the hard problems he has tackled unsuccessfully.

Council sustains Preusser motion

By Eric Starkman

The Cambridge City Council, on Monday night, challenged the constitutionality of a state law requiring a three-fourths majority to approve a zoning law that is opposed by a major owner and passed an ordinance limiting to 110 feet the height of new buildings in Harvard Square.

The council sustained by a 5-4 majority an order by Councillor Mary Ellen Preusser. The order argued that the state law requiring a three-fourths majority to pass a zoning ordinance opposed by an owner of 20 percent or more of the land in an area is unconstitutional, "in that it denies certain inhabitants of the city of Cambridge their right to the equal protection of the laws." This right is guaranteed under the 14th amendment.

Preusser's order states that the customary two-thirds majority is sufficient to pass a zoning ordinance. It also provides that the City Manager seek a "declaratory judgment" from the courts affirming the "validity" of the zoning amendment.

On January 22, the council voted 6-2 (Councillor Frisoli voted present) in favor of Preusser's ordinance limiting to 110 feet the height of new buildings in Harvard Square. Two major property owners, Harvard University and Louis DiGiovanni, a private developer, opposed the ordinance making a seventh affirmative vote necessary.

Stanley H. Rudman, counsel to DiGiovanni, told *The Tech* on Wednesday that the Cambridge City Council "could not correct its previous vote by a motion." Rudman said he certainly would "not accept it" and if the case appears in court he will "move to intervene."

Douglas Randall, a legal advisor to the city, told the council he believed it should "proceed to deal with the motion on its merits." He said the motion only wants to correct the record, not change the rules.

Randall said the three-fourths majority provision has never been tested in the courts. Massachusetts is the only state that has such a provision.

Preusser heralded the council's decision as "one of the most significant things that have ever happened to this council in recent history" and she "was pleased to be a part of it."

Councillor Kevin Crane said he opposed the ordinance because "it is aimed against one private developer" and added that he "will never get in the way of jobs and taxes in this city."

inside

Just as students today discuss the proposed new drinking age limits, MIT students in 1930 varied widely in their appraisals of Prohibition. A student poll conducted then by *The Tech* produced very mixed results. **Page 10.**

The women's gymnastics team won a triangular meet against

Smith and Mt. Holyoke last Tuesday, in their last home meet of the season. **Page 11.**

A 16-0 victory over Wheaton was the highlight of an undefeated week for the women's fencing team. The team also defeated Brown, dispelling the notion that it could not beat an Ivy League school. **Page 12.**

SCEP to give poll to Hulsizer

By George Caan

"Students don't want to dilute their education, they just need safety valves," said John Hakala '81, chairman of the Student Committee on Educational Policy (SCEP). Hakala was referring to the final results of last term's student survey on educational policy, specifically mentioning the 79 percent agreement among students questioned that upperclass-

men should have the option of taking any number of electives pass/fail.

The survey was completed by 1,208 undergraduates from fraternities and dormitories. It dealt with questions on educational policy ranging from self-paced exams for freshman physics to a freshman English requirement.

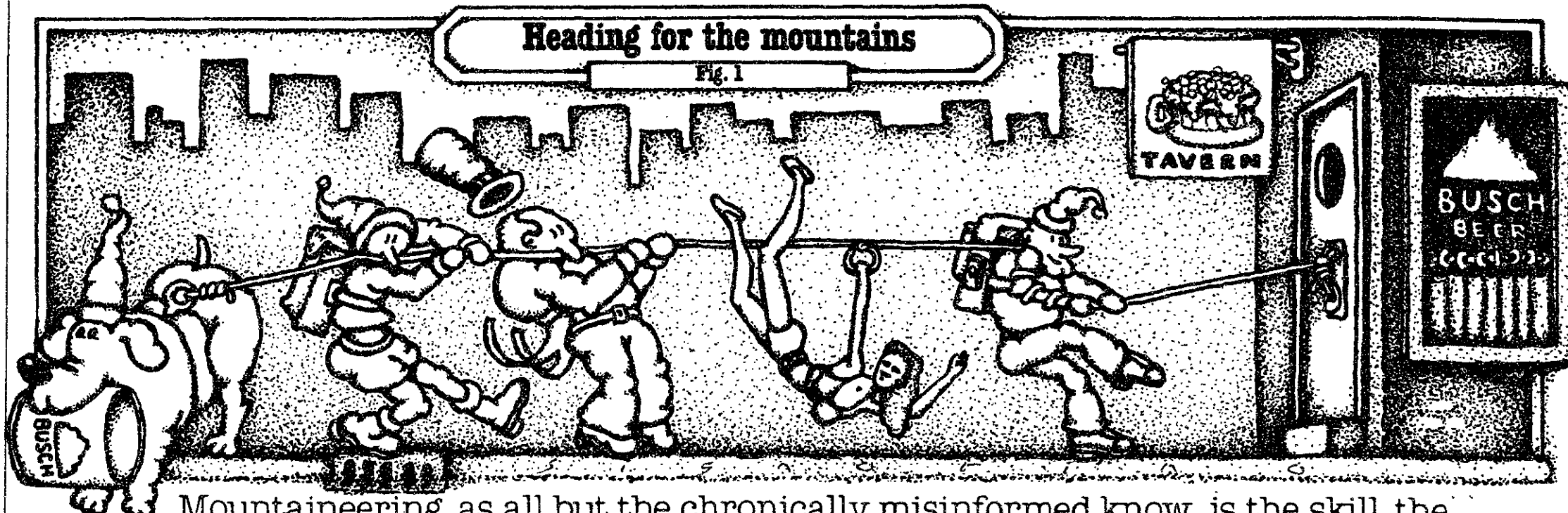
The questions of pass/fail and self-paced physics exams each

received majority approval while removal of any Institute requirements met with overwhelming defeat. A freshman English requirement will not be recommended, even though the survey showed it to be desirable, until a further investigation into the feasibility of this type of program is undertaken.

(Please turn to page 9)

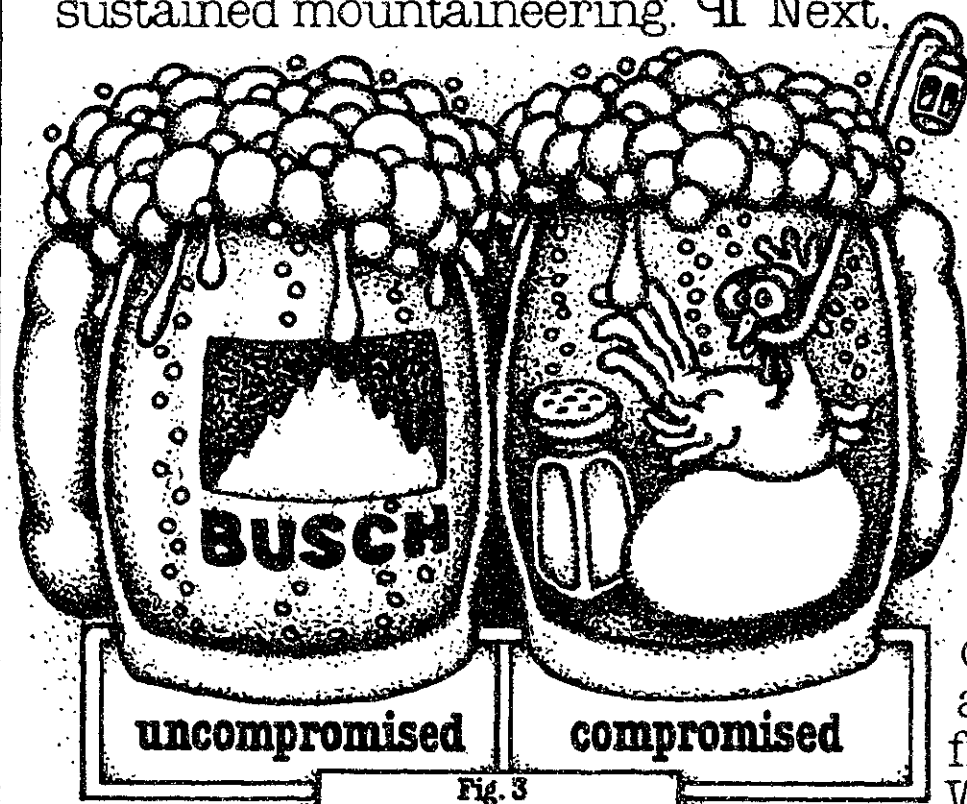
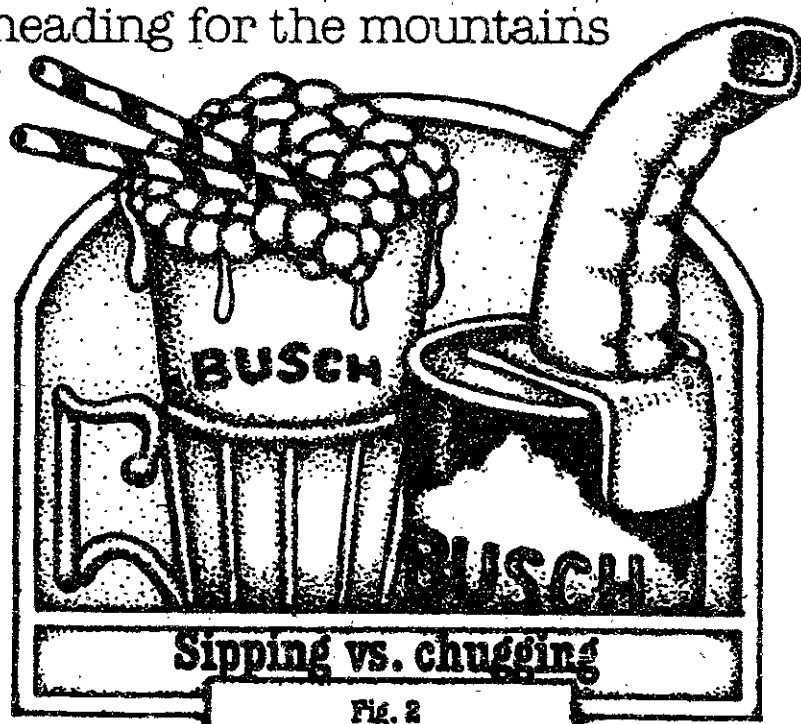
Mountaineering #3.

METHODOLOGY



Mountaineering, as all but the chronically misinformed know, is the skill, the science and the art of drinking Busch Beer. It begins by heading for the mountains (i.e., a quick jaunt to your favorite package emporium or wateringhole) and ends by downing the mountains (i.e., slow slaking swallows of the brew that is Busch).

¶ However, between those two points lies a vast area of personal peccadilloes sometimes called technique and sometimes called methodology (depending on your major). Hence, this ad. ¶ Sipping vs. chugging. Both have their merits, of course. But generally speaking, except for cases of extreme thirst or a leaking glass, sipping is the more prudent practice for serious, sustained mountaineering. ¶ Next,

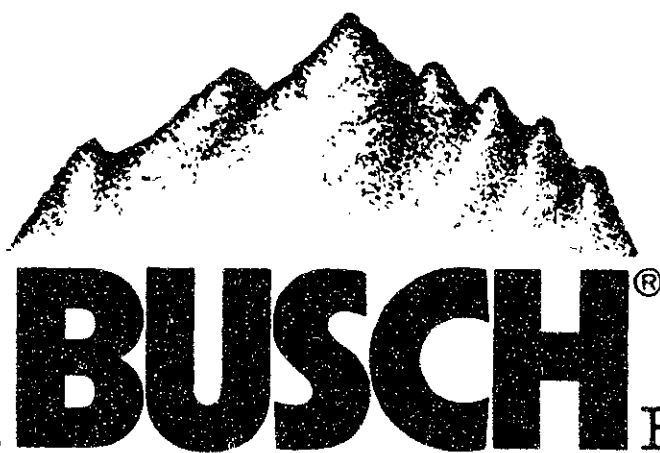


the proper position. Some swear by sitting; others by standing. Suffice it to say that the most successful mountaineers are flexible, so you'll find both sitters and standers.

(Except on New Year's Eve, when it's almost impossible to find a sitter.) ¶ Which brings us to additives. Occasionally a neophyte will sprinkle salt in his Busch; others mix in tomato juice; and a few on the radical fringe will even add egg. While these manipulations

can't be prohibited (this is, after all, a free country), they are frowned upon. Please be advised that purity is a virtue, and the natural refreshment of Busch is best uncompromised.

¶ Finally, there's the issue of containers. Good taste dictates a glass be used. But bad planning sometimes prevents that. If you find yourself forced to drink from the can, you should minimize this breach of etiquette. Be formal. Simply let your little finger stick out stiffly (see Fig. 4). Happy Mountaineering!

Don't just reach for a beer. **BUSCH** Head for the mountains.

news roundup

World

Terrorists attack American ambassador — Adolph Dubs, the American envoy to Afghanistan, was abducted by a group of right-wing Moslem terrorists and later killed when government forces stormed the Kabul hotel where he was being held last Wednesday. It is uncertain whether Dubs was shot to death by his abductors or by the government agents during the storming.

US Embassy in Teheran attacked by guerillas — An unidentified group of urban guerillas trapped Ambassador William H. Sullivan and his staff for over two hours on Wednesday until Khomeini peace-keeping forces arrived in answer to Sullivan's telephone plea for help. There were no American fatalities, but two Iranians were reported killed. In reaction, the Carter Administration is planning to evacuate most Americans remaining in Iran when the Teheran airport reopens.

Nation

Florida lake found rich in fossils of ancient life — A 240-foot deep cavity below Little Salt Lake in southwest Florida has been found to contain dozens of 12,000-year old fossils of human, animal, and plant life, as well as artifacts. Scientists have found what appears to be the oldest known hunting boomerang, of a type never before found in the Western Hemisphere. Also found were the remains of an extinct four-foot tortoise which had been killed by human hunters, as well as what was either a mammoth or a mastadon.

Government reports mild flu season — A government disease surveillance specialist reported early this week that influenza is widespread but relatively mild this year. He said most flu cases so far are similar to the type of Russian flu which was prevalent last year. However, this type of flu has not yet been detected this season in thirteen states, including Massachusetts.

Social Security Administration acknowledges inequities — For the first time, the federal government has formally recognized that the present social security system is unfair to women in some ways. Joseph Califano, Secretary of the Department of Health, Education, and Welfare, said the social security structure needs to be changed to guarantee fair and adequate benefits for both women and men. Such basic changes, he said, will require either increased funding or reduction of other benefits. "The nation must begin to make this difficult choice," he remarked.

Massachusetts House passes drinking age raise — A bill to raise the legal drinking age to 19 and eventually to 21 was passed on the first vote in the Massachusetts House of Representatives last Monday. The legislation would raise the age from 18 to 19 in bars, restaurants, and package stores. It would go up to 20 one year after the bill's passing, and to 21 a year after that, so that people who are now 19 years old or more will not be affected. The original bill called for would have raised the age to 19 for six months, and then immediately to 21. The State Senate has passed (31-3) a bill raising the drinking age to 19 as of March 1.

—Richard Duffy

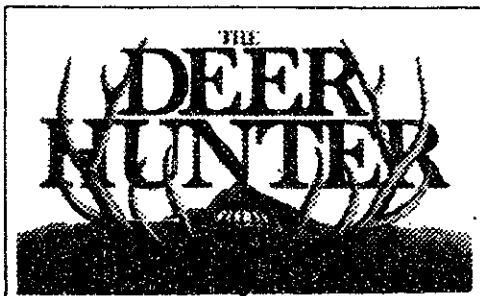
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Campus
Interviews:



Our recruiter will be at Massachusetts Institute of Technology on Thursday February 22, 1979. If you are working towards a BS or MS in Electrical Engineering, Mechanical Engineering or Chemistry, come and see us.

opinion

Joel West

How long can oil grease the works?

Last week Secretary of Energy James Schlesinger testified before Congress that the current cutbacks in oil production due to political unrest in Iran were "prospectively more serious" than the Arab oil embargo of 1973-1974. In response to his testimony, gold hit \$250 per ounce for the first time ever, and the anemic British pound climbed above the two dollar mark in spite of widespread strikes in the U.K.

These economic repercussions prompted Treasury Secretary Michael Blumenthal to appear before the Senate subcommittee the next day to downplay the significance of Schlesinger's remarks. At the same time, Schlesinger was telling a House committee that "The effect of the Iranian situation is to advance the date when demand for oil overtakes supply by two years."

The actual figures stated by Schlesinger on Feb. 7 and President Carter on Feb. 12 are as follows: Before the refinery shutdowns, Iran had a peak oil production of six million barrels per day; the US imported 900,000 barrels of that. Saudi Arabia increased its production by about one million barrels per day, though it is charging 10 percent more for those additional shipments. Worldwide, there is a net shortfall of two million barrels per day, and in the US, 500,000 barrels per day.

Oil inventories dwindling

According to Schlesinger, the US had a 70-day supply of oil in commercial inventories (i.e., not counting strategic reserves). He felt that if inventories dropped below 60 days, the nation would have serious problems; the US had a 54-day supply in October 1973, before the Yom Kippur war that prompted the Arab oil embargo. With the current oil deficit, the 60-day figure will be reached in 13 months; with the additional demands imposed by oil-sharing, the 60-day reserve would be reached in eight months.

Carter's press conference Monday called on Americans to voluntarily conserve energy during this shortfall period. However, Americans have been notably lax in response to calls for self-restraint. Carter's "moral equivalent of war" fell on deaf ears; in fact, most Americans have forgotten the long gas lines and odd-even rationing of five years ago. I personally recall the period vividly: getting up at 6am to go down to the gas station was not what I'd waited 16 years to get a license for.

Should the carrot fail, as it invariably will, Carter has a stick — four proposals to cut down on energy usage. One would be to order Sunday or weekend closings of gas stations; another would be to have employers reduce commuter parking. Of course, the latter is the method that the EPA has been emptying to use to reduce urban pollution: the morning parking ban on Memorial Drive by the MDC is to discourage commuters from driving into work and parking there.

Doom and gloom

Schlesinger has always been one for doom and gloom, no matter what department he's heading up. The gloomier the situation, the more research and development money he gets, and the higher his department is on the list of Administration priorities. But the Iranian revolution has had two effects that Schlesinger isn't making up. The first is that Israel will not get any oil shipments from a Moslem theocracy, and will thus need to rely on the US or perhaps Indonesia or Mexico for its oil supplies. The second is that if and when Iranian oil shipments to the US resume, they will not be on as favorable terms as those supplied by our "ally" the Shah, who perennially favored large increases in the OPEC price standard.

In the near future (5 to 20 years ahead), the one bright spot in our energy picture is Mexico. The US has largely ignored our Latin neighbors until recently because they didn't have anything we needed; the Carter administration is attempting to undo this damage, in addition to the damage Schlesinger himself did last year.

Even LA will have mass transit

In the long run, however, there are only the unpleasant solutions. Eventually, oil will become uneconomical as an energy source: when world petroleum reserves have dwindled down to the last 10 billion barrels, petroleum will be far too valuable for its vast array of industrial uses to be wasted on internal combustion engines. Even Los Angeles will have to come up with a mass transit system.

In the meantime, some actions, public and private, can forestall this date. The American auto industry can develop cars that are as efficient as the Volkswagens and Hondas being sold today; where available, coercive measures can increase the usage of mass transit. Insulation that was previously uneconomical will become practical when heating oil and natural gas prices skyrocket.

According to one oil company, people have been predicting imminent oil shortages for decades; the fact that we still have our Cadillacs and RV's is proof that they were dead wrong. In this case, I hope I'm wrong, too.



USC from Cambridge

Technically, it's frosh English

Editor's note: USC is an infrequent contributor to The Tech.

"Well, I guess it's a job," sighed Professor B.E.O. Wulf, as he waited in the large MIT lecture hall for the students to file in.

Wulf thought further: "How did a mild-mannered English teacher from Slippery Rock College wind up teaching five hundred semi-literate, hostile MIT freshmen?"

The students started filing into the room, and the Professor snapped to attention. His first impressions of his charges were mixed. "That student in the front row with the glasses and the briefcase," Professor Wulf reasoned, "I'll bet he has already programmed a computer to write his critical essays for him."

"And that young man with the greek letters on his shirt and the sneakers. He looks like he just stepped out of the gymnasium. He's probably perspiring profusely. How disgusting."

It was already time to begin the class, Wulf observed, so he began his lecture on English Literature. The talk went fine until the professor ventured his first query to the students: "And what is the significance of Shakespeare's phrase, 'Something is rotten in the state of Denmark?'"

"They were all on a bad trip, man," yelled the head in the back.

"No, no, it was the adverse reaction of the sulfides and hydroxides in the ambient atmosphere," screamed the premed.

"They just lost the Super Bowl, no wonder," offered the jock.

Professor Wulf knew it was going to be a long, long semester.

As the term progressed, the professor began to fit into the MIT way of life. He learned to make assignments due the day of a test, and when the eleventh week of the term arrived, he doubled the work load. Rather

than the take-home final essay he had planned for the end of the term, Wulf scheduled a three-hour analytical exam.

Finally the last day of classes rolled around, and Professor Wulf prepared his closing lecture.

The students listened with rapt attention as Wulf disclosed the inner meanings of modern literature.

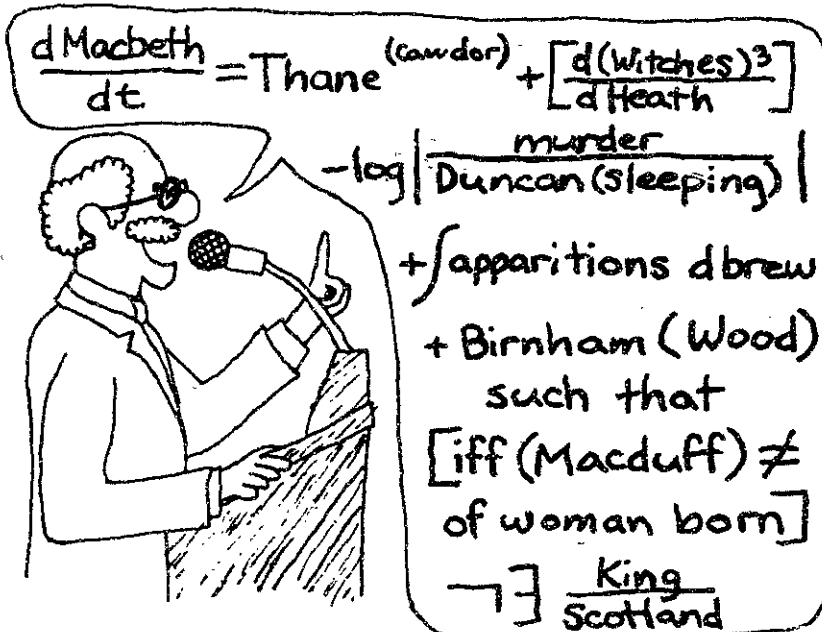
"It is to be noted that James

foregone the essence of the humanities.

"There's only one thing I can do," Professor Wulf told the shocked class. "I must resign as Professor immediately."

Later that week a sad and bewildered Wulf walked into the Dean's office to submit his resignation.

"I am sorry to say, Dean," said Wulf, "that I've been unaccep-



Joyce is one of the more important twentieth-century authors, at least when measured by an order of magnitude analysis. Theoretically, his work is one of the more universally known," Wulf rattled off. "Few people today realize that Joyce's stream-of-consciousness technique he utilized in *Ulysses* is intuitively obvious."

Just then a short, gray-haired man in a tweed suit ran down the 26-100 aisle.

"Stop, stop, Wulf, you traitor. You've betrayed the classics, you've made a sham of arts and letters."

Professor Wulf couldn't believe it. It was his old mentor from Slippery Rock, Dr. Writtenword. And he was right, too, the professor realized then that he had

table as an English instructor, and so I respectfully resign."

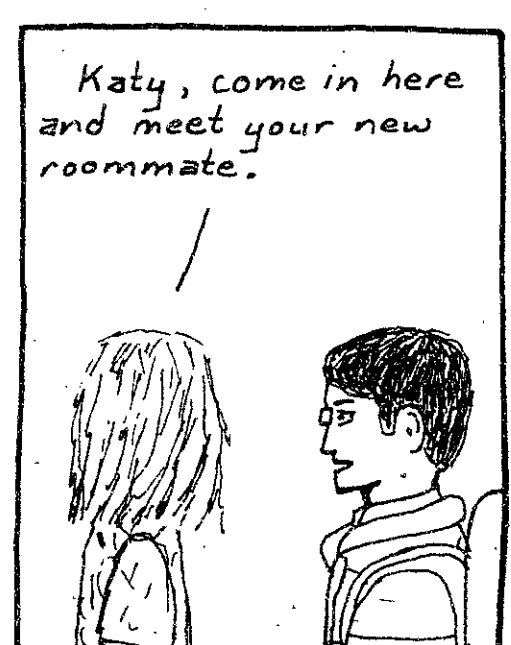
"Are you kidding, Professor Wulf," said his superior, "You can't leave. You're the best thing that's ever happened to Humanities at MIT. Why, we've had half of the Freshman Class clamoring for more English subjects in general and your classes in particular."

"But my professional ethics..." protested Professor Wulf.

"Forget those," urged the Dean. "We'll give you tenure and double your salary if you stay."

"Oh, well, it is a cold world out there for an English PhD," admitted the professor, "so I guess I'll stay on."

The moral of the story is: "When under the domes..."



Paul Hubbard
by Kent C. Massey

feedback

Stop GAMIT board vandalism

To the editor:

Recently the GAMIT bulletin board has been vandalized. I consider that objectionable because of what that board represents and what perforce vandalizing it must represent.

Love is one of the most universal of human experiences. Throughout human history it has tormented humanity with its curses and inspired humanity with its blessings. Love adds to both life's value and meaning. To miss out on the pains and joys of love is to miss out on the richest part of life.

The vandalizer of the bulletin

board seems to feel that gays should have no right to experience this so human experience. He seems to feel that gays should live out their respective lives without ever loving another person. He seems to feel that gays should live out their lives in perpetual loneliness.

I challenge his opinion. The important thing is not so much to love a member of the opposite gender as to love someone sometime in your life. If you are inclined to love and subdue that love then you live but a shadow of life. Because I realize the beauty and richness that love can bring

to life I support the right of gays to love one another and implore them that they not sacrifice this aspect of their lives to satisfy common opinion.

In closing I ask all persons who oppose gay rights, "Would you condemn any man to live life as that meaningless void which perforce never loving another during one's life must make this life be?" If you condemn gay rights this is perhaps the very hell that you would condemn your friends or loved ones to endure.

Name withheld by request

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**CAMP
LINDENMERE**

LOOKING FOR A SUMMER JOB?

Camp Lindenmere, a children's coed overnight summer camp in the Pocono Mountains of Pennsylvania will be interviewing in Boston on Saturday, February 17, 1979. Positions open for qualified Tennis Director and Pool Director (WSI a must for Pool position). Also limited positions open for General and Specialist counselors. If you are an energetic and dynamic person who enjoys working with children, we're very interested in talking to you. Call 617-531-4721 for an appointment.

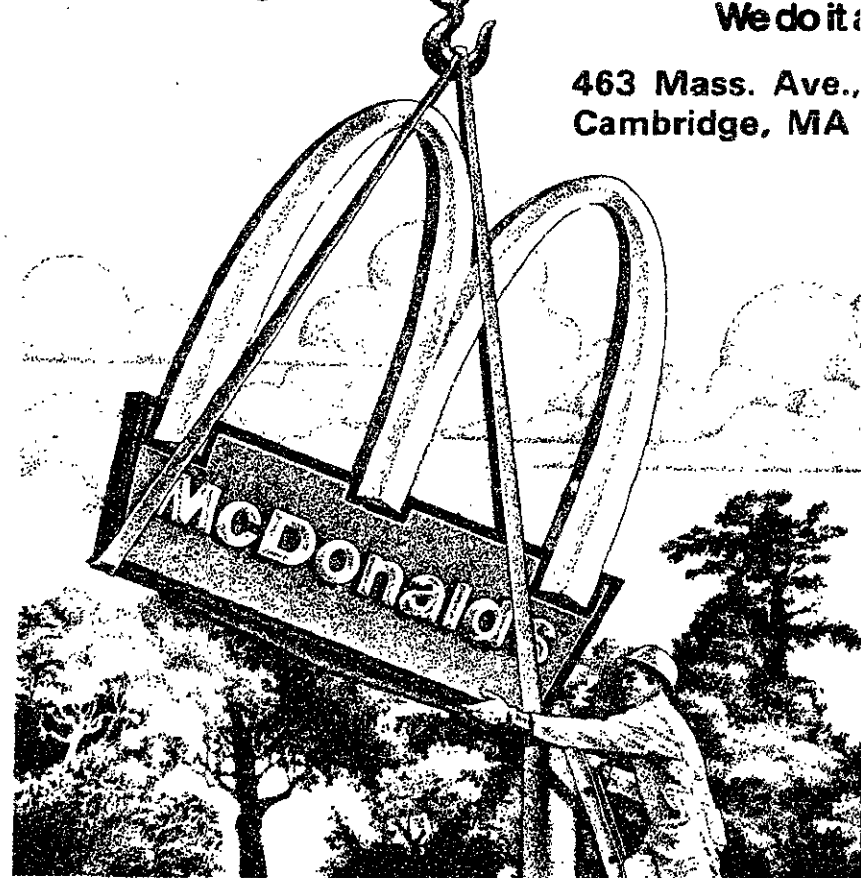
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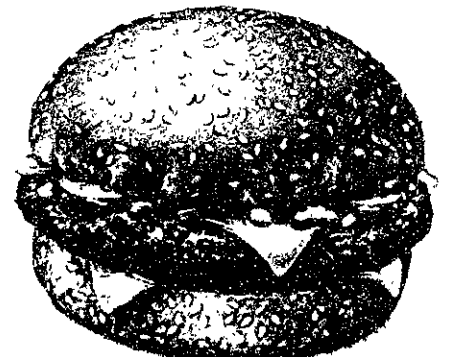


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Students march on the Common



Legislation on a new drinking age aroused sufficient student concern during the first day of voting in the House that changes were modest. The following day, however, students stayed home and the House passed a much more stringent motion.



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photo essay by Kevin Osborn

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David Brudnoy WNAC-TV

**'Last Wave, a thriller
with something to say'**

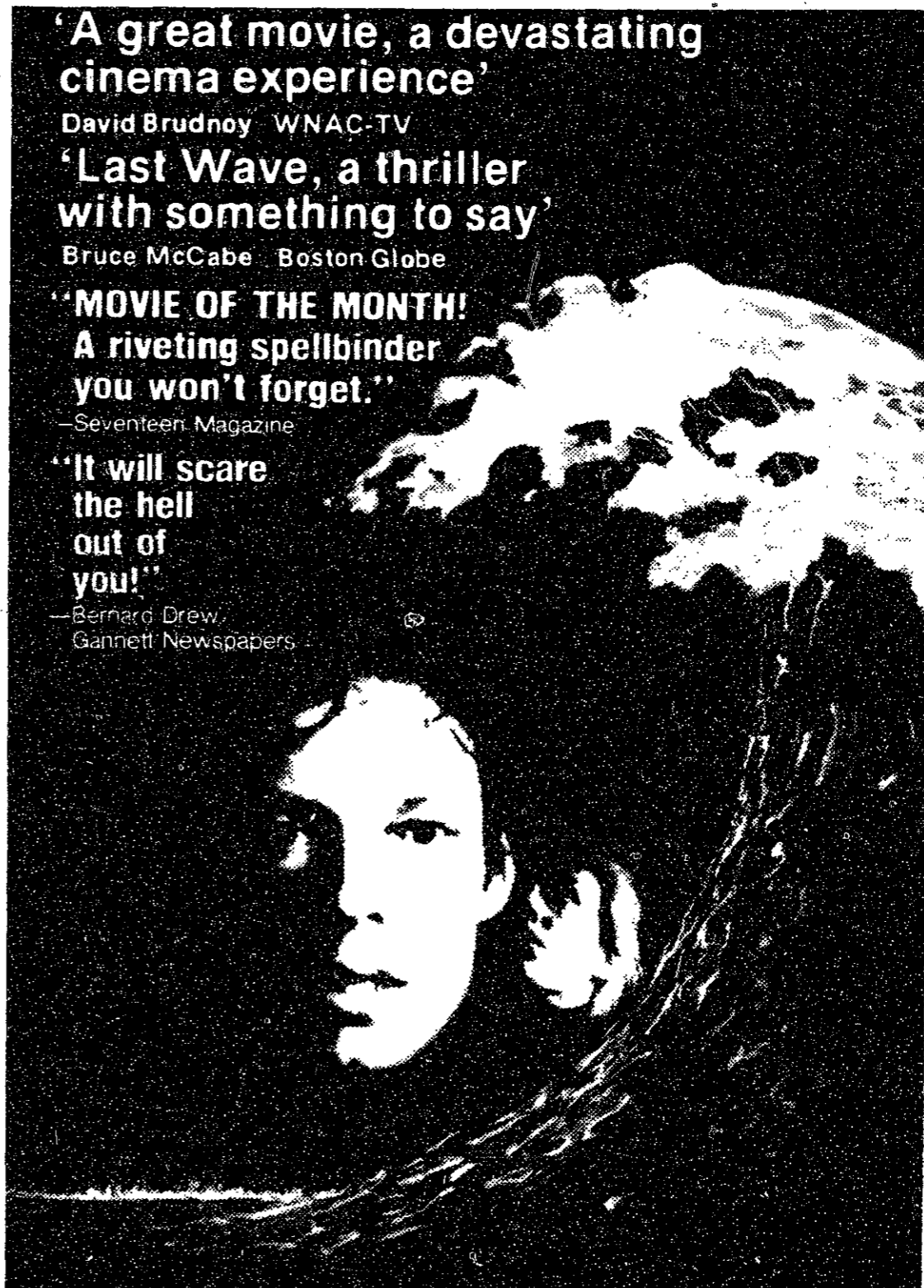
Bruce McCabe Boston Globe

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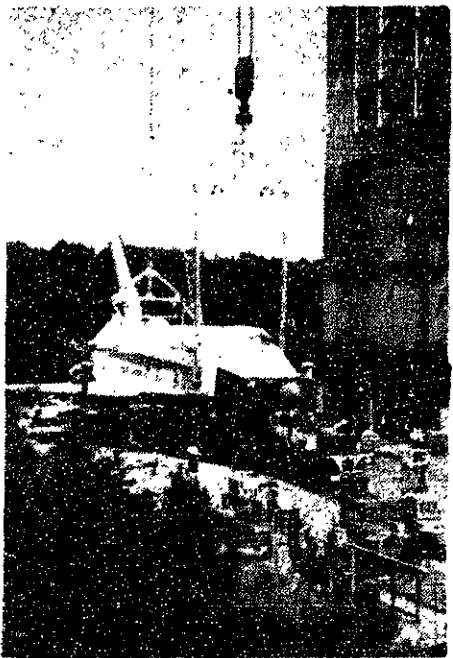
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(Photo by John O. Borland.)

Shuttle launch postponed by engine malfunctions

(Continued from page 1)
end of the summer.

Jerry Thompson, manager of the main engine project, also in Huntsville, stated that there had been several problems in the past year, and admitted that the longest full test so far has been only about 100 seconds. However, he said that the problems were being solved, and that the shuttle program was about parallel to where the Saturn development had been at this

same time.

Thompson was also certain that the engines would be certified by the end of the summer. He denied that the problems were so serious that a special shuttle task team had been appointed to study past, and anticipate future, problems.

Contrary to these statements, a NASA memo not only establishes this "special" team and its purpose, but shows that Thompson is in charge of the investigation.

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so it can
be the
first day
of somebody
else's, too.



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Police Blotter

Larceny at Bldg. 66

Four large photographs on display in the lounge area of Bldg. 66 and an electric clock were reported missing. The thefts are under investigation.

Unlocked Offices the scene of thefts

Three larcenies of woman's property from inner offices have been reported in the last week. Members of the Institute are reminded to lock their property when leaving their offices, and to report suspicious persons to Campus Police, x3-1212.

Larcenies at Bldg. 18

Reports have been received of numerous larcenies in Bldg. 18. In all cases no forced entries have been noted. The thefts are under investigation.

Two youths (non-students) warned off-campus

Two youths were questioned by CP officers in the area of Albany Garage. A dent puller was found in the possession of one of the youths. He was relieved of the tool and they were warned about trespassing.

Motor vehicle thefts

Auto thieves made their presence known at different parts on the campus in the last week.

—from Westgate Lot late Friday of Saturday a 1974 Ford Mustang was stolen.

—from the East Garage a 1972 Mercury Monterey vanished sometime between 9am and 5pm on Monday.

—from the Albany Garage on Monday a 1974 Ford Torino disappeared.

Plain clothes patrol has been assigned in the parking garages as a result of vandalism and larcenies in these areas. The assistance of the area residents continues to be of critical importance. Any suspicious activity observed, especially around parked cars, should be reported immediately to Headquarters, x3-1212.

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Apartment for Rent — Brookline, Coolidge Corner, 2 BR, LR, 5th floor, wall-to-wall carpet, A/C, dishwasher, parking \$385. Also car for sale — Ford Gran Torino '73, excellent condition. Call 731-3889 evenings and Sunday.

River ice dangerous

With the periods of cold weather, ice has appeared of the surface of the Charles River. The community is reminded that, due to the peculiarities of the Charles' currents and eddies, the river never freezes to the depth sufficient to safely support much weight. Consequently despite how solid the surface may look from the shore, it is *always extremely dangerous to walk on river ice*. We urge everyone to admire the beauty of the river in winter from the safety of terra firma.

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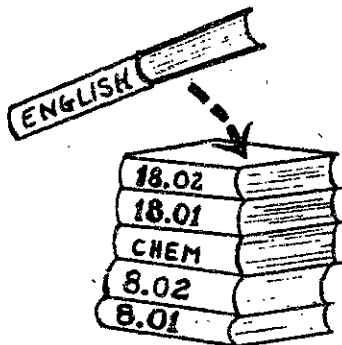
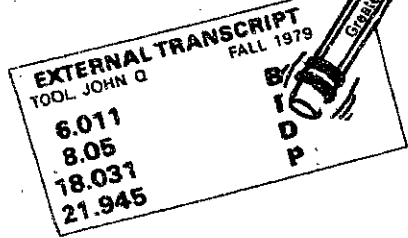
SCEP examines student opinions

Pass/Fail

Any Class YES ☐ NO ☒
Electives Only YES ☒ NO ☐

Self-Paced Study

8.01, 8.02 64% Approval
ESG 60% Approval



General Institute Requirements

(Continued from page 1)

The proposal which will receive the most attention will be the pass/fail question. This proposal, if approved by the faculty, will enable upperclassmen to register for any number of electives on pass/fail. This will be a change from the present system which allows only two electives to be taken pass/fail. According to Hakala, this type of program is working successfully at such major institutions as Stanford, Brown, and Harvard.

The SCEP will now submit these results to Professor of Physics Robert Hulsizer, Jr., chairman of the Committee on Educational Policy (CEP). Together Hulsizer and the SCEP will discuss the results and prepare a list of recommendations which will be submitted at the next CEP meeting. The CEP will then decide which of these proposals should be submitted to the faculty for a vote.

Hakala says he expects about half of the student mandates will actually be submitted to the CEP. In any case, he expressed hope for faculty approval within a year.

notes

Announcements

Graduate Students Applications for advanced degrees in June 1979 must be returned to the registrar by Friday, February 23, 1979.

* * * *

The **Federal Summer Intern Program** is seeking outstanding students for positions in the following federal agencies this summer: The Army, Defense Department, Export-Import Bank, HEW, HUD, Department of Interior, Department of Labor, NASA, Office of Personnel Management. Application forms are available from Jane Wells in Career Planning and Placement, 12-170.

* * * *

Two \$2,000 scholarships are offered through the **Mass State Federation of Women** who are Mass. residents and Women's Clubs (MSFWC) Memorial Education Fund in this coming year for graduate study in the fields of Marine biology or Business Administration. In addition two \$500 scholarships are offered through the MSFWC International Affairs Dept. for study abroad. These can be used either for a Junior year abroad program or for graduate study. Completed applications must be received before March 1, 1979. Further information and application forms can be obtained from Dean Jeanne Richard in the Graduate School Office, Room 3-136.

Activities

Activities & clubs: If you would like a listing in the 1979 Freshman Handbook and have not already received a memo from the OFA, please stop by 7-105 by Friday, Feb 23.

Arts

On Monday, Feb 10, LSC will present the fourth annual silent movie **The Hunchback of Notre Dame** starring Lon Chaney. John Kiley will accompany on the Kresge organ. 8pm in Kresge. Admission 75c

Sports

The **woman's fencing team** is seeking the support of the student body in finding the team mascot. It is about six inches high, light brown with a yellow apron and black and looks like a beaver. It fell from the equipment bag of a team member somewhere between duPont and Burton House.

Come up...

...and see us sometime.

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The Tech

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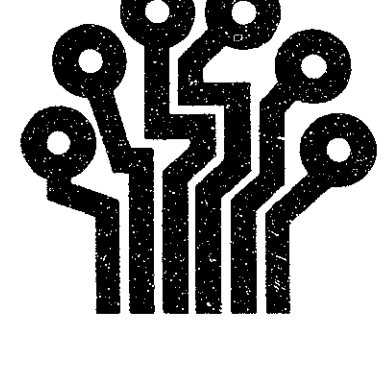
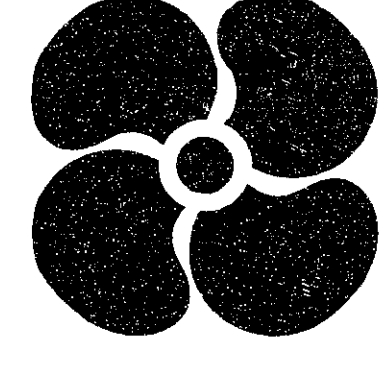
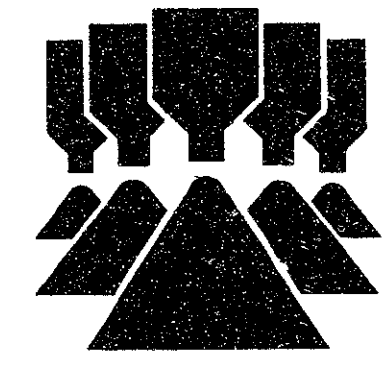
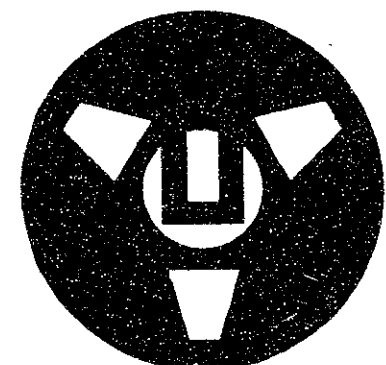
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Computer Science, Electrical,
Electronic, Industrial, Mathematics,
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Metallurgical, Mining, Marine,
Mechanical, Nuclear, Optics, Physics,
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There will be an orientation meeting held the evening before our visit. Be sure to check the Placement Office for details.

GENERAL DYNAMICS

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Drinking controversial topic at MIT during 1930's

Editor's note: A student poll on drinking and Prohibition taken by The Tech in March, 1930 generated a number of "remarks... the usual gripes and 'wise-cracks.'" (Reprinted from March 24, 1930)

To repeal the 18th amendment would not be consistent with the ideals humanity is striving for. Since strict enforcement is impossible, and present situation is intolerable, modification is the only way out of it.

It is not only the men who must be considered in this problem but also the mothers, wives and daughters.

If your government has the right to impose any law why hasn't it the right to enforce the 18th amendment? Law can take our body for war — why not our appetite for good of the majority?

Prohibition is a great social and economic experiment. One decade of half-hearted eye-winking enforcement is not enough to test it. At least half a century should be allowed, with less pecuniary wickedness in high places, before final judgment is passed.

I believe that there should be sale of all liquors but that conditions of sale should be regulated and restrictions possible.

We cannot force people to be temperate but industry can demand that they be.

Because a few fanatics see a few people get drunk is no reason to prohibit the rest of the population from having liquor. Besides, prohibition has only increased liquor, and poor liquor consumption.

The best way to repeal a law is to enforce it. In this way its undesirable qualities will be brought to light and recognition by all the people will follow.

Senatorial ballyhoo defeated initial aim.

Make a serious effort to eliminate graft and the like among the enforcement forces — then I believe prohibition would work.

In any other country I would favor moderate prohibition, but in this country where the very men who make the laws ridicule them and break them, where prohibition is a political and not a moral issue, I absolutely oppose it.

Pump the country drier than the Sahara and use the alcohol for fuel.

It is not only the men who must be considered in this problem but also the mothers, wives and daughters.[sic] They are taking to drink as never before. The only way to remedy this is by more strict enforcement.

Enforcement for a certain length of time at least, coupled with education.

Strict enforcement because constant breaking of one law causes disrespect for others and tends toward demoralization.

Some sort of effective and moderate legislation is desirable. Something more than a noble experiment.

If there were more honesty and less weak-minded "following the crowd" in our treatment of this question, the whole trouble would soon blow over.

Such a poll doesn't appear to me to be in very good taste.

I advocate State Legislation regarding the restriction of saloons. Rigorous state laws to deal with drunkenness which endangers public safety.

I see no difference between the effects of alcohol and those of other narcotics. Yet no one decries enforcement of narcotic laws.

No other law receives such ill-governed regulation, and yet none

is more beneficial to industry and the morality of the worker.

Prohibition is the beginning of Congress' encroachment on our personal liberties [sic]. Although I do not drink, I am not in favor of the act.

To repeal the eighteenth amendment would not be consistent with the ideals humanity is striving for. Since strict enforcement is impossible, and present situation is intolerable, modifica-

tion is the only way out of it. [sic] Liquor is too expensive now.

Am in the upper eighth of the class and am drunk three times a week.

Liquor as a beverage ranks far below dish water.

I favor state control much like Canada's system.

I feel that those who insist on drinking should have access to non-paralyzing stuff.

Any man who goes to Tech

must drink once in a while for "Tech is Hell."

You can lead a horse to water. My women like booze, so I drink it.

The Tech should publish gin recipes.

Hope all the prohibitionists choke on their ginger ale.

May-noses grow redder and

blossom like never before.

I wish they would clean out the bath tub in Chelsea where they make it.

Down with prohibition supported by hypocrites.

U.S. should deport all the foreign bootleggers and patronize the neighborhood [sic] ones.

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sports

Harris' return sparks gymnasts

By Lucia Chen

Editor's note: Lucia Chen is the manager of the women's gymnastics team.

Last Tuesday night the women's gymnastics team gave a solid performance on their way to victory over Smith and Mt. Holyoke. Competition was keen throughout the meet, with MIT gaining the edge with its showing on the uneven bars.

On vault, Cindy Reedy '80 did a lay-out squat, which earned a 5.4. Linda Dolny '80 and Elaine Sears '79 had a 5.7 and a 6.2, respectively. A handspring vault gave Leslie Harris '81 a 7.6, bringing MIT's total to 24.90. Mt. Holyoke had a very small lead with 24.95, while Smith was not far behind with a 24.0.

On the uneven bars, senior Susan Lau '79's fine performance resulted in a 5.55. Harris again did a stunning routine that scored an 8.35. MIT's event total, 22.6, gave them a lead which they never lost. Mt. Holyoke and Smith scored a 12.2 and an 18.7, respectively.

Mt. Holyoke's strong showing on the beam, highlighted by Jody Pinilli's routine, which earned a 6.55, gave them an even total of 23.55. The Tech squad was not far behind with a 20.85, Harris giving an excellent performance as usual with an 8.25. Smith came in right behind MIT with a 20.5.

The final event, floor exercise, saw some outstanding routines by Wendy Myers '81, who earned a 6.65, and Harris, with a 7.5. Smith's Erika-Pearsall had a very nice dance in her routine, as well as a good tumbling performance and earned a 7.05. Event totals were Smith 26.7, MIT 24.05, and Mt. Holyoke 23.0.

The final score was MIT 92.4,

Smith 89.9, and Mt. Holyoke 83.7. This was the last home meet of the season, with seniors Lau, Sears, and captain Mary Beth Ward '79 winding up their college careers.

Don't let him be the only caller!

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Alumni Center 10-110

on
deck

Friday

Hockey vs. Clark 5pm
Squash vs. Bowdoin 4pm

Saturday

Squash vs. Fordham 10am
Squash vs. Wesleyan 2pm
Skiing: Division Championships at Northfield, VT.
Women's swimming: New England at Springfield College
Men's basketball vs. Clark 8:15pm
Women's basketball at Bryant College 6pm
Men's fencing vs. Stevens Tech 2pm
Women's fencing vs. Stevens Tech, Brandeis, and Wellesley 1pm
Men's gymnastics vs. Central Connecticut 2pm
Women's gymnastics vs. U Maine (Farmington) at Salem State 2pm
Men's swimming at Bowdoin 2pm
Track: Easterns at Ufts 2pm
Pistol vs. WPI, Boston State, Navy, and Merchant Marine 9am
Rifle at Navy

Tuesday

Men's fencing at Brandeis 7pm
Hockey at Fitchburg State 7:40pm
Squash vs. Trinity 7pm
Swimming vs. Brandeis at Babson 3:30pm

Thursday

Men's basketball at WPI 8pm
Women's basketball vs. Brandeis 7pm
Women's swimming at Brandeis 7pm

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sports

Fencers beat Brown, Wheaton

By Amelia Phillips

Editor's note: Amelia Phillips is a member of the women's fencing team.

Several fencing meets have occurred in the past week, the first on Thursday, February 8th against Brown University at Brown, which the women's varsity won 11-5.

Saturday afternoon, the varsity suffered a slight embarrassment when they unexpectedly demolished Wheaton College 16-0. It was not predicted to be such an overwhelming victory especially as the coach was allowing no substitutes. This was evident by the number of touches against our team being 24 compared to Wheaton's 80. Each person on the varsity lineup that night had a strong point and put it to good use. Sayuri Kuo '81 led the way with her strong determination and quick parry-ripostes. Next in line came Nancy Robinson '81 with a winner's smile on her face and deceptively crisp blade action. Julia Shimoaka '80 followed with fleet-footed attacks and blinding disengages. Michelle Prettyman '79 captain, finished it off with her flying lunges and slashing coupes.

Following suit, the JV per-

formed similarly and defeated Wheaton 14-2 with the total number of touches against them was 28 vs. Wheaton's 73. Helen Fray '80 started the action by winning a bout 5 to 0. Linda Plano '81, Marion Stein '80, and Amelia Phillips '81 also did well that evening. The two substitutes, Brenda Bell '82 and Charlene Nohara '79, did their share as well, each winning a bout.

The team finished up the day by defeating Trinity 13-3. As Trinity brought only one team, half the bouts were done by the varsity starters and the other half by the JV starters.

Monday saw the JV going against Tufts' varsity with a result of 12-4. Debbi Barnes '80, who has been out with injuries, led the way that night with strong parries and attacks. It was Plano, however, who gave the spirit to the evening as she exploded on her opponents with the speed and skill of an energetic "killer." Stein also made short work of them by using quick and versatile wrist action. Suzanne Hirschman '82 substituted and beat her opponents by use of a fast retreat and good angulation of the blade. Helen Fray also made good use of the opponent's weaknesses.

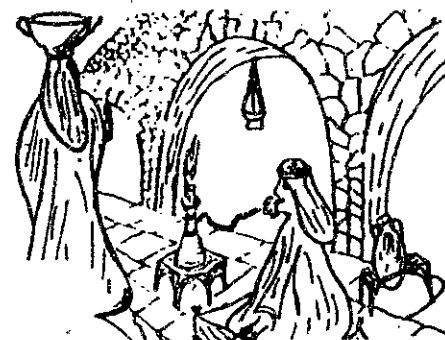
The next meet will be at home

in the fencing room at Dupont. It will be a fourway meet with the MIT team going against Stevens Institute of Technology, Brandeis, and Wellesley. Starting time is 1pm, this Saturday.

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TELEVISION BY RICHARD CHEW CO. PRODUCED BY PAUL MASLANSKY MUSIC BY JACK NITZSCHE EXECUTIVE PRODUCER MELVIN SIMON
SCREENPLAY BY MARK MEDOFF BASED ON THE PLAY BY MARJOE GORTNER DIRECTED BY MILTON KATSELAS

Exclusive Engagement Starts February 16
at the Charles

CAREER SURVIVAL

Finding your way out of the jungle of companies that visit your campus each year for interviews is tough. Sometimes you haven't even heard of them before they arrive. We'd like to help make that career decision easier by telling you about us now.

We're Lawrence Livermore Laboratory, operated by the University of California for the U.S. Department of Energy, and located in California's beautiful Livermore Valley just minutes from the San Francisco Bay Area. We're involved in many exciting projects concerning energy, national defense, and bio-medical research.

Let us help you choose that first job. If you have or are about to receive a degree in engineering or computer science, see us on campus at your Placement Office. Or contact us for more information about our many career opportunities by sending your resume to Employment Division, Lawrence Livermore Laboratory, P.O. Box 808 Dept. JCN, Livermore, CA 94550.

U.S. Citizenship Required. An Equal Opportunity Employer M/F/H/V.

Wednesday, February 28



LAWRENCE LIVERMORE LABORATORY

Pre-Spring Fling

MIT's annual semi-formal

Saturday, February 24 1979 8:00 - 1:00 in the Student Center

Two live bands - refreshments

Tickets \$4.00/couple on sale 10:00 - 2:00 in lobby 10 MIT ID required

Also available in the UA and PCC offices